



PATENT  
Attorney Docket No.: RIB-005  
(7995/7)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Steitz *et al.*  
SERIAL NO.: 10/072,634 GROUP NO.: 2683  
FILING DATE: February 8, 2002 EXAMINER: Not yet assigned  
TITLE: Ribosome Structure and Protein Synthesis Inhibitors

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Commissioner for Patents  
Washington, D.C. 20231

APR 2 2003  
Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the published patent documents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the published patent documents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**

- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

### STATEMENT

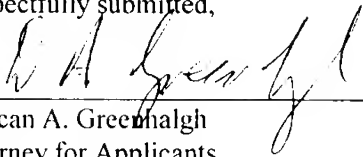
As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Date: April 15, 2003  
Reg. No.: 38,678

Tel. No.: (617) 248-7317  
Fax No.: (617) 248-7100

Respectfully submitted,

  
\_\_\_\_\_  
Duncan A. Greenhalgh  
Attorney for Applicants  
Testa, Hurwitz, & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, Massachusetts 02110



FORM PTO - 1449

SUPPLEMENTAL INFORMATION

DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: RIB-005

APPLICANTS: Steitz *et al.*

SERIAL NO.: 10/072,634

FILING DATE: February 8, 2002

GROUP: 2683

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## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A4	US-2002-0086308 A1	07/04/02	Steitz <i>et al.</i>			08/03/01
	A5	5,693,791	12/02/97	Truett			04/11/95
	A6	5,866,549	02/02/99	Or <i>et al.</i>			07/03/97
	A7	5,336,768	08/09/94	Albrecht <i>et al.</i>			05/24/88
	A8	5,281,703	01/25/94	White <i>et al.</i>			05/07/93
	A9	5,180,719	01/19/93	White <i>et al.</i>			04/29/91
	A10	6,468,979 B1	10/22/02	Pellacini <i>et al.</i>			07/27/99
	A11	6,437,119 B1	08/20/02	Truett			07/17/00
	A12	5,905,144	05/18/99	Truett			09/15/97
	A13	5,466,681	11/14/95	Krivan <i>et al.</i>			01/12/94
	A14	6,380,356 B1	04/30/02	Griffin <i>et al.</i>			12/07/99
	A15	6,446,032 B1	09/03/02	Schimmel			08/14/92

## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	B4	EP 1 186 614 A2	03/13/02	EP			07/16/01		
	B5	EP 1 188 769 A2	03/20/02	EP			08/09/01		
	B6	WO 00/32619	06/08/00	WO			11/24/99		
	B7	WO 95/07271	03/16/95	WO			08/16/94		
	B8	WO 96/18633	06/20/96	WO			12/07/95		
	B9	WO 97/35195	09/25/97	WO			03/19/97		

EXAMINER

DATE CONSIDERED



FORM PTO - 1449

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: RIB-005

APPLICANTS: Steitz *et al.*

SERIAL NO.: 10/072,634

FILING DATE: February 8, 2002

GROUP: 2683

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OTHER ART. JOURNAL ARTICLES, ETC.

EXAM. INIT. OTHER DOCUMENTS: (Including Author, Title, Place of Publication, Relevant Pages, Date)

C101	Fourny <i>et al.</i> (1996) "Structure of the A Site of <i>Escherichia coli</i> 16S Ribosomal RNA Complexed with an Aminoglycoside Antibiotic" <u>Science</u> 274(5291):1367-1371
C102	Hermann <i>et al.</i> (1999) "Docking of Cationic Antibiotics to Negatively Charged Pockets in RNA Folds" <u>J. Med. Chem.</u> 42(7):1250-1261
C103	Ioannou <i>et al.</i> (1998) "Kinetics of Inhibition of Rabbit Reticulocyte Peptidyltransferase by Anisomycin and Sparsomycin" <u>Molecular Pharmacology</u> 53(6):1089-1096
C104	Kirillov <i>et al.</i> (1999) "Peptidyl Transferase Antibiotics Perturb the Relative Positioning of the 3'-Terminal Adenosine of P/P'-Site-Bound tRNA and 23S rRNA in the Ribosome" <u>RNA</u> 5(8):1003-1013
C105	Spickler <i>et al.</i> (1997) "Streptomycin Binds to the Decoding Center of 16 S Ribosomal RNA" <u>J. Mol. Biol.</u> 273(3):586-599
C106	Wong <i>et al.</i> (1998) "Specificity of Aminoglycoside Antibiotics for the A-Site of the Decoding Region of Ribosomal RNA" <u>Chemistry &amp; Biology</u> 5(7):397-406
C107	European Search Report for Application No. 02255442.2 dated March 6, 2003
C108	Hanessian <i>et al.</i> (1984) "Quantamycin": A Computer-Simulated New-Generation Inhibitor of Bacterial Ribosomal Binding" <u>Journal American Chemical Society</u> 106:6114-6115
C109	Vince <i>et al.</i> (1975) "Chloramphenicol Binding Site with Analogues of Chloramphenicol and Puromycin" <u>Antimicrobial Agents and Chemotherapy</u> 8(4):439-443
C110	Shuker <i>et al.</i> (1996) "Discovering High-Affinity Ligands for Proteins: SAR by NMR" <u>Science</u> 274(5292):1531-1541
C111	Hecker <i>et al.</i> (1993) "Application of Hygromycin A Structure Activity Relationships to the Antibiotic A201A" <u>Bioorganic &amp; Medicinal Chemistry Letters</u> 3(2):295-298
C112	Wang <i>et al.</i> (1997) "Dimeric Aminoglycosides: Design, Synthesis and RNA Binding" <u>Bioorganic &amp; Medicinal Chemistry Letters</u> 7(14):1951-1956
C113	Holmes <i>et al.</i> (1993) "Novel Dimeric Penicillin Derived Inhibitors of HIV-1 Proteinase: Interaction with the Catalytic Aspartates" <u>Bioorganic &amp; Medicinal Chemistry Letters</u> 3(4):503-508
C114	Rao <i>et al.</i> (1997) "Tight Binding of a Dimeric Derivative of Vancomycin with Dimeric L-Lys-D-Ala-D-Ala" <u>J. Am. Chem. Soc.</u> 119:10286-10290
C115	Tanihara <i>et al.</i> (1998) "Thrombin-Sensitive Peptide Linkers for Biological Signal-Responsive Drug Release Systems" <u>Peptides</u> 19(3):421-425

EXAMINER

DATE CONSIDERED

2683



# TRANSMITTAL FORM

Application Serial Number	10/072,634
Filing Date	February 8, 2002
First Named Inventor	Steitz
Group Art Unit	2683
Examiner Name	Not yet assigned
Attorney Docket No.	RIB-005
Patent No.	Not applicable
Issue Date	Not applicable

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## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form  <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]  <input type="checkbox"/> Petition for Extension of Time  <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations (A4-A15, B4-B9 and C101-C115)  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553)  <input type="checkbox"/> Formal Drawing(s)  <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal  <input type="checkbox"/> Associate Power of Attorney  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application  <input type="checkbox"/> Small Entity Statement  <input type="checkbox"/> CD(s) for large table or computer program  <input type="checkbox"/> Amendment After Allowance  <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences  <input type="checkbox"/> Appeal Brief (in triplicate)  <input type="checkbox"/> Status Inquiry  <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8  <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8  <input type="checkbox"/> Additional Enclosure(s) (please identify below)
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## CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower  
 125 High Street  
 Boston, MA 02110  
 Tel. No.: (617) 248-7000  
 Fax No.: (617) 248-7100

## SIGNATURE BLOCK

Respectfully submitted,  
  
 Date: April 15, 2003  
 Reg. No. 38,678  
 Tel. No.: (617) 248-7317  
 Fax No.: (617) 248-7100  
 Duncan A. Greenhagh  
 Attorney for Applicants  
 Testa, Hurwitz & Thibault, LLP  
 High Street Tower  
 125 High Street  
 Boston, MA 02110



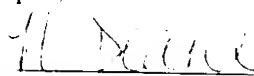
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Attorney Docket No.: RIB-005  
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APPLICANTS: Steitz *et al.*  
SERIAL NO.: 10/072,634 GROUP NO.: 2683  
FILING DATE: February 8, 2002 EXAMINER: Not yet assigned  
TITLE: Ribosome Structure and Protein Synthesis Inhibitors

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Commissioner for Patents, Washington, DC 20231 on this 15<sup>th</sup> day of April, 2003.

  
Nicole Deane

Commissioner for Patents  
Washington, D.C. 20231

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Sir:

APR 21 2003

Technology Center 2600

Submitted herewith are:

1. Transmittal Form (1 pg.);
2. Supplemental Information Disclosure Statement (2 pgs.);
3. Form PTO-1449 (2 pgs.);
4. Copies of Documents Cited as A4-A15, B4-B9 and C101-C115; and
5. Return Receipt Postcard.